

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059779.D
 Acq On : 20 Nov 2023 21:50
 Operator : MA/JU
 Sample : 05376-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 204

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023

Quant Time: Nov 21 00:21:24 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 17 01:51:38 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.331	152	28134	20.000	ng	#-0.01
21) Naphthalene-d8	11.175	136	141253	20.000	ng	#-0.02
39) Acenaphthene-d10	14.965	164	96924	20.000	ng	# 0.00
64) Phenanthrene-d10	17.714	188	201844	20.000	ng	0.00
76) Chrysene-d12	22.044	240	152039	20.000	ng	# 0.00
86) Perylene-d12	25.628	264	174098	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	94326	56.431	ng	0.00
7) Phenol-d6	7.456	99	145233	58.632	ng	0.00
23) Nitrobenzene-d5	9.536	82	132620	35.858	ng	0.00
42) 2,4,6-Tribromophenol	16.445	330	71322	64.855	ng	-0.01
45) 2-Fluorobiphenyl	13.584	172	248846	34.559	ng	-0.01
79) Terphenyl-d14	20.288	244	322352	31.299	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	15.029	154	20799	3.880	ng	# 90
55) Dibenzofuran	15.358	168	23578	2.668	ng	# 87
58) Fluorene	16.010	166	31469	4.286	ng	# 93
71) Phenanthrene	17.761	178	383310	37.352	ng	96
72) Anthracene	17.849	178	104849	9.833	ng	99
73) Carbazole	18.126	167	30236	3.246	ng	# 91
75) Fluoranthene	19.753	202	396271	32.199	ng	99
78) Pyrene	20.117	202	338513	32.724	ng	96
81) Benzo(a)anthracene	22.021	228	161400	15.515	ng	# 93
83) Chrysene	22.097	228	135422	14.201	ng	96
87) Indeno(1,2,3-cd)pyrene	29.777	276	85582m	6.497	ng	
88) Benzo(b)fluoranthene	24.465	252	165419	17.336	ng	93
89) Benzo(k)fluoranthene	24.542	252	89940m	9.534	ng	
90) Benzo(a)pyrene	25.458	252	143092m	14.051	ng	
92) Benzo(g,h,i)perylene	31.116	276	72360m	6.842	ng	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

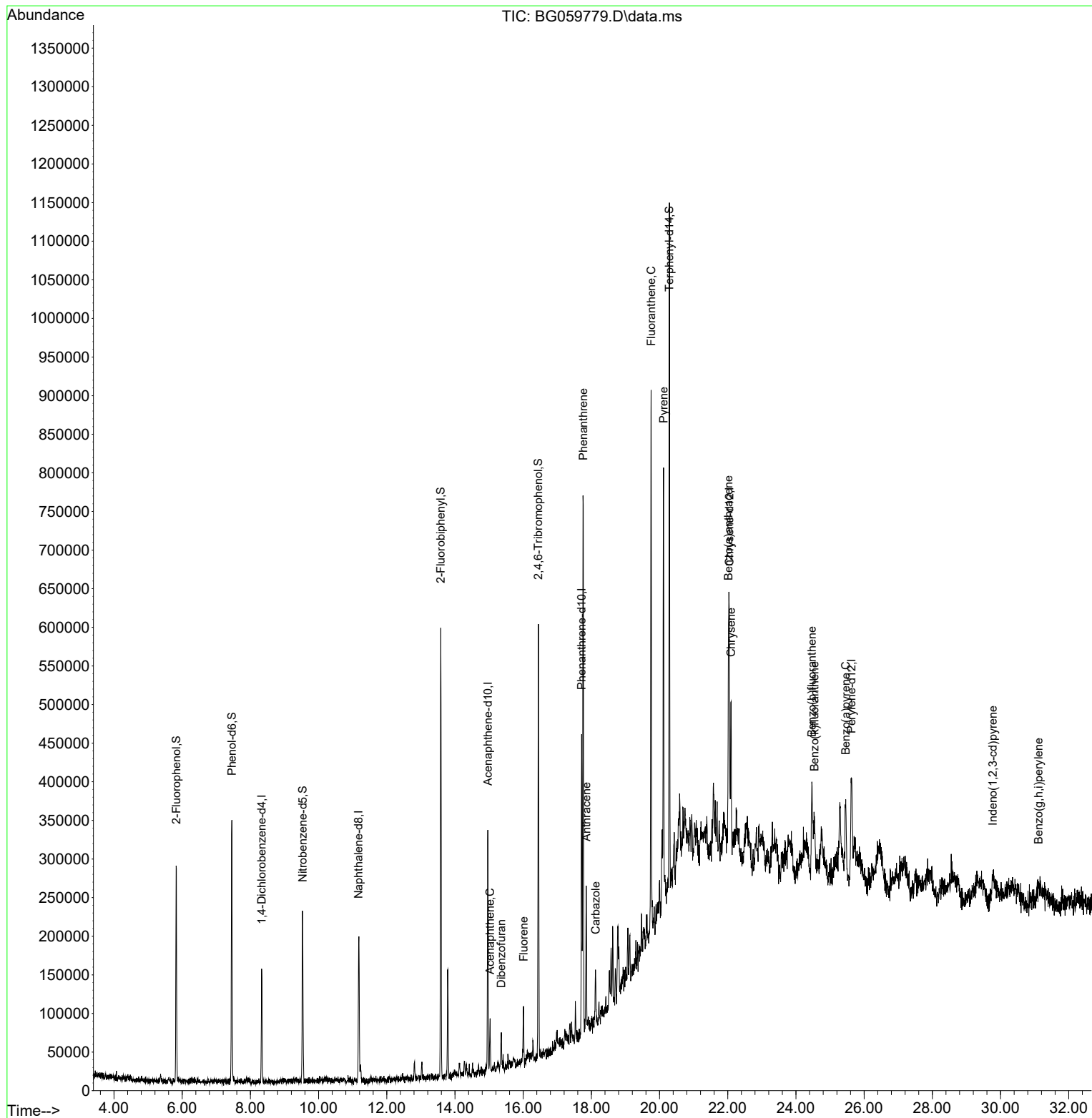
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
Data File : BG059779.D
Acq On : 20 Nov 2023 21:50
Operator : MA/JU
Sample : 05376-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

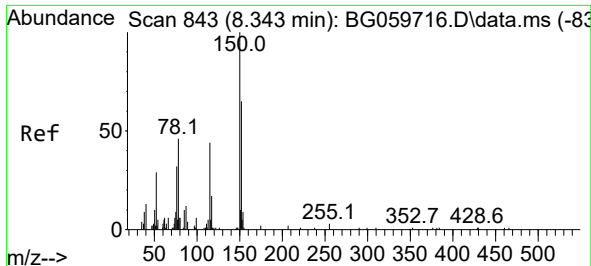
Instrument :
BNA_G
ClientSampleId :
204

Quant Time: Nov 21 00:21:24 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

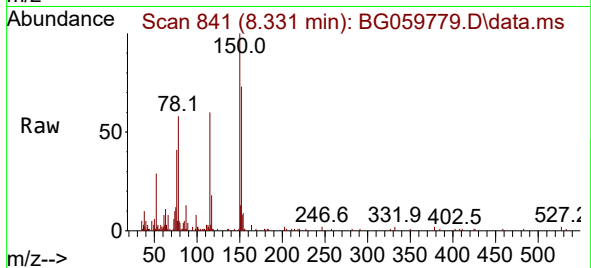
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.331 min Scan# 84
Delta R.T. -0.012 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

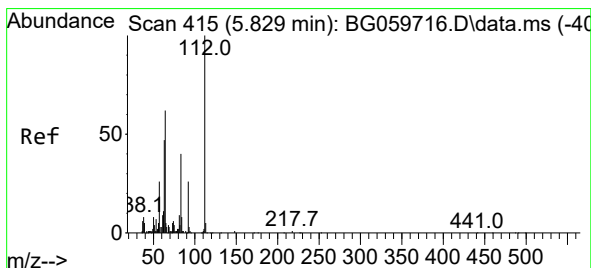
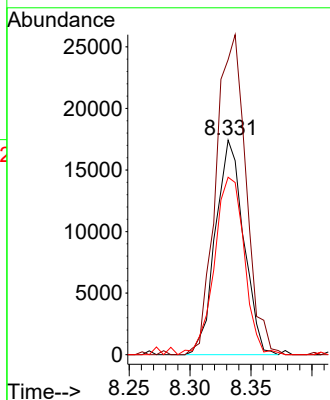
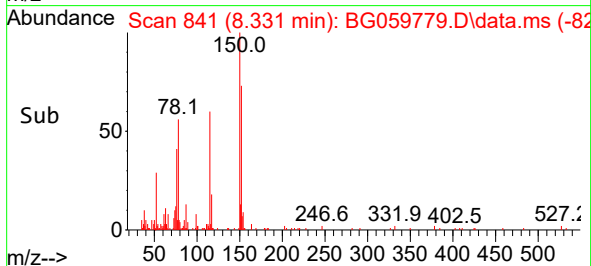
Instrument :
BNA_G
ClientSampleId :
204



Tgt Ion:152 Resp: 28134
Ion Ratio Lower Upper
152 100
150 137.4 122.2 183.4
115 82.7 54.2 81.4

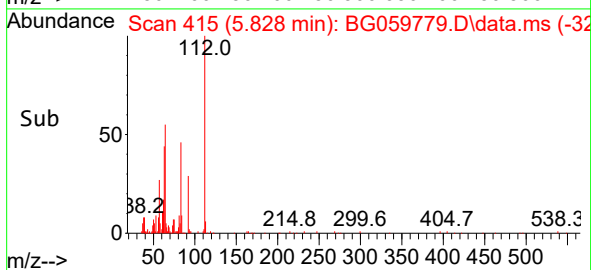
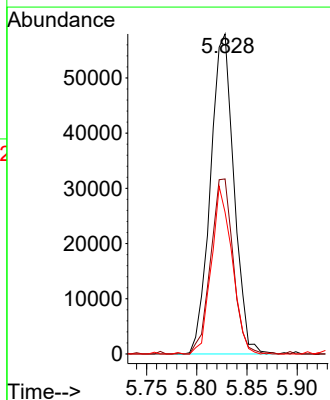
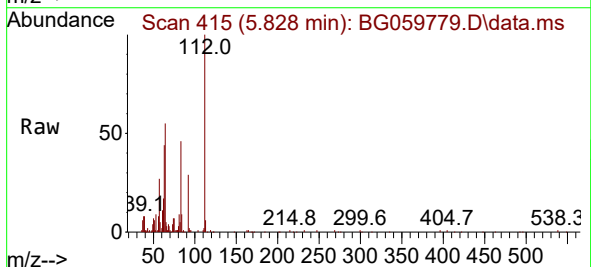
Manual Integrations
APPROVED

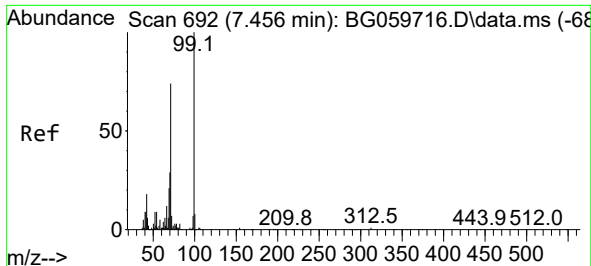
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#5
2-Fluorophenol
Concen: 56.431 ng
RT: 5.828 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

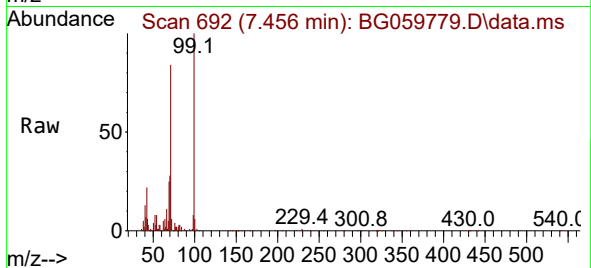
Tgt Ion:112 Resp: 94326
Ion Ratio Lower Upper
112 100
64 54.7 49.5 74.3
63 44.2 37.4 56.2





#7
Phenol-d6
Concen: 58.632 ng
RT: 7.456 min Scan# 692
Delta R.T. -0.001 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

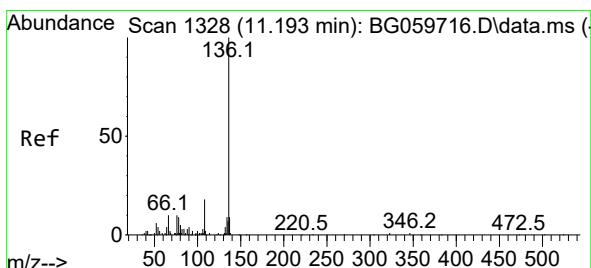
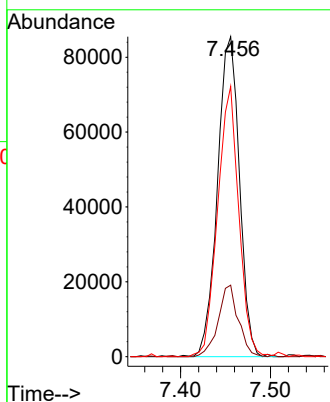
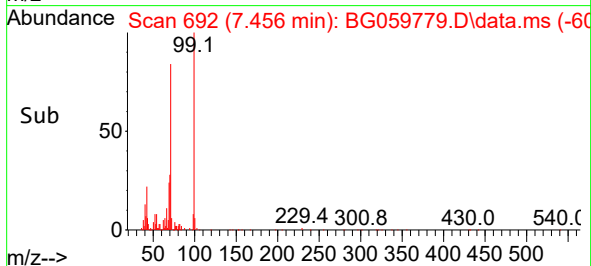
Instrument :
BNA_G
ClientSampleId :
204



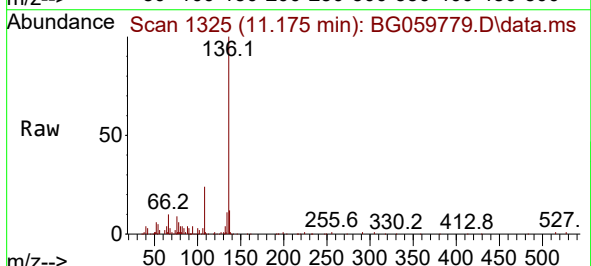
Tgt Ion: 99 Resp: 145233
Ion Ratio Lower Upper
99 100
42 22.3 14.3 21.5#
71 84.4 59.3 88.9

Manual Integrations
APPROVED

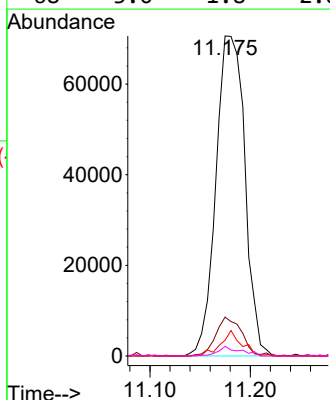
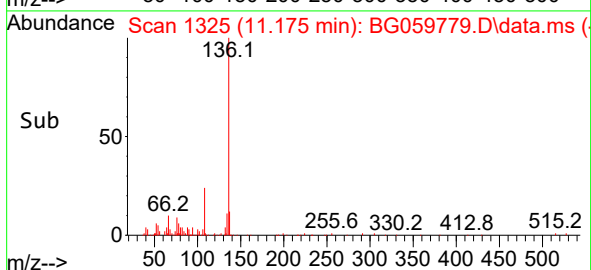
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

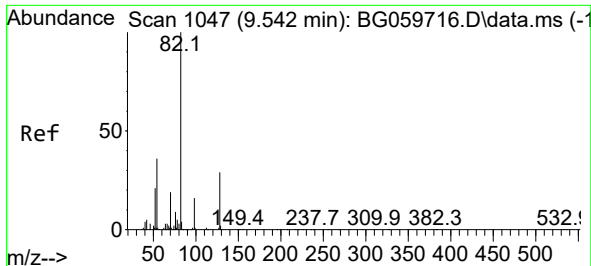


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.175 min Scan# 1325
Delta R.T. -0.018 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50



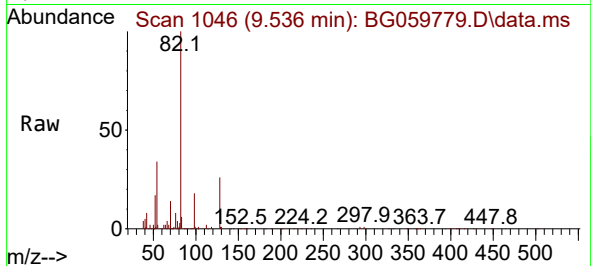
Tgt Ion:136 Resp: 141253
Ion Ratio Lower Upper
136 100
137 12.2 7.4 11.0#
54 4.9 3.1 4.7#
68 3.0 1.8 2.8#





#23
Nitrobenzene-d5
Concen: 35.858 ng
RT: 9.536 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

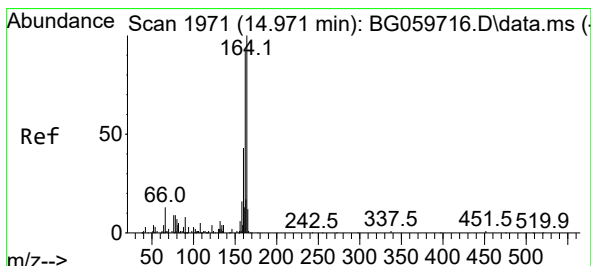
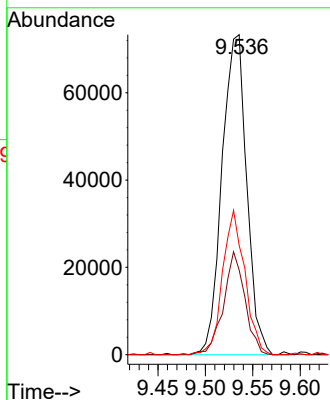
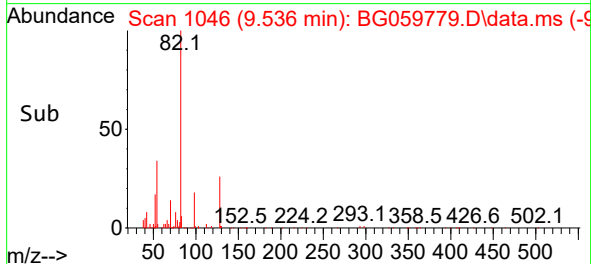
Instrument :
BNA_G
ClientSampleId :
204



Tgt Ion: 82 Resp: 132620
Ion Ratio Lower Upper
82 100
128 26.5 23.0 34.6
54 34.2 28.7 43.1

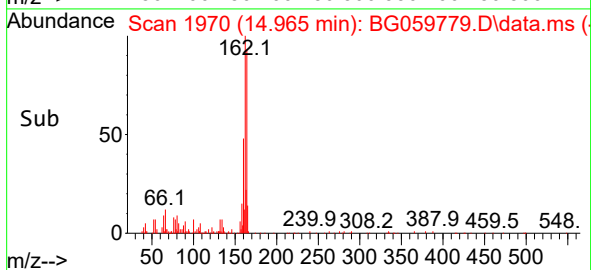
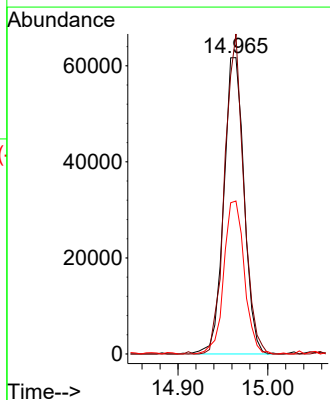
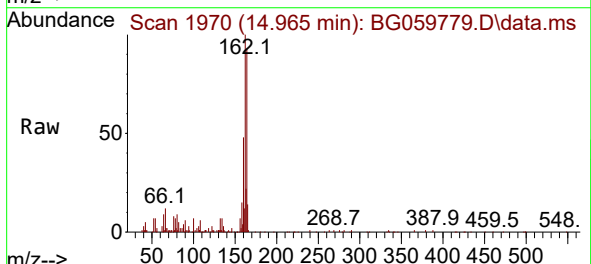
Manual Integrations
APPROVED

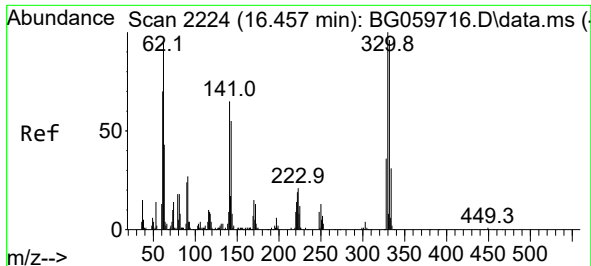
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.965 min Scan# 1970
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

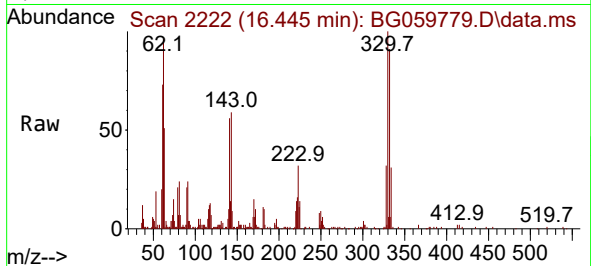
Tgt Ion:164 Resp: 96924
Ion Ratio Lower Upper
164 100
162 108.0 73.3 109.9
160 51.6 34.1 51.1#





#42
2,4,6-Tribromophenol
Concen: 64.855 ng
RT: 16.445 min Scan# 21
Delta R.T. -0.012 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

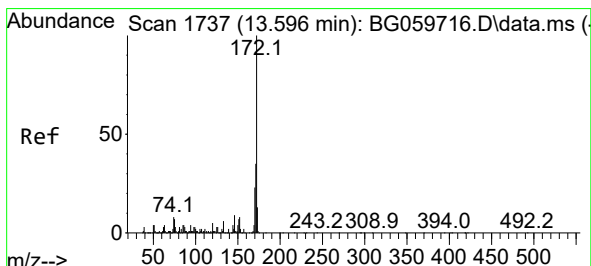
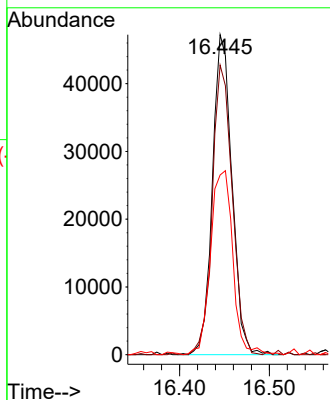
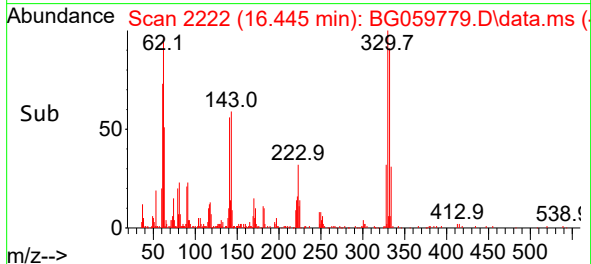
Instrument :
BNA_G
ClientSampleId :
204



Tgt Ion:330 Resp: 7132
Ion Ratio Lower Upper
330 100
332 92.1 73.3 109.9
141 65.3 52.1 78.1

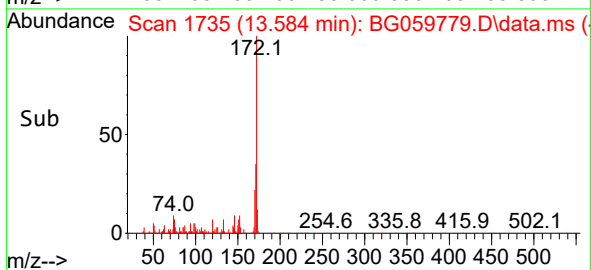
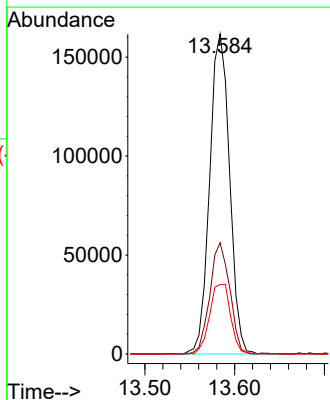
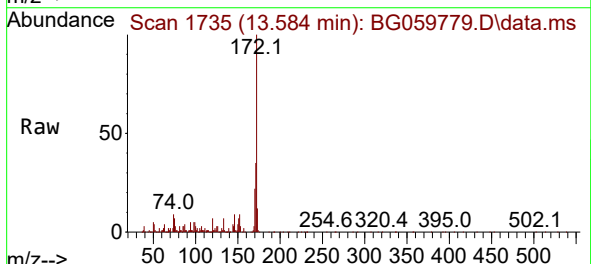
Manual Integrations
APPROVED

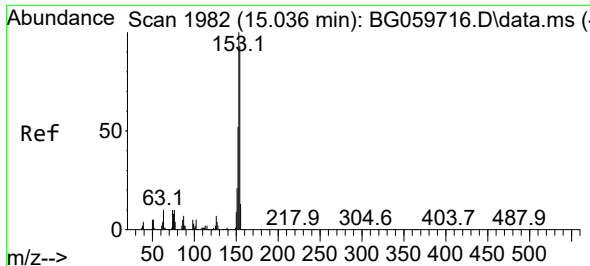
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#45
2-Fluorobiphenyl
Concen: 34.559 ng
RT: 13.584 min Scan# 1735
Delta R.T. -0.012 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

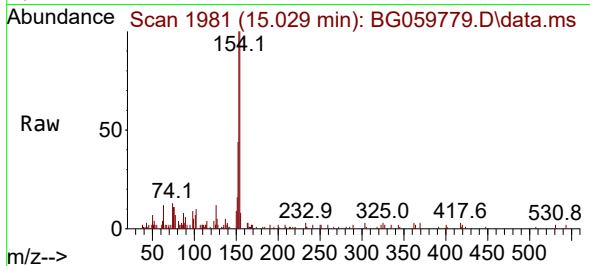
Tgt Ion:172 Resp: 248846
Ion Ratio Lower Upper
172 100
171 34.7 27.7 41.5
170 21.7 18.4 27.6





#52
Acenaphthene
Concen: 3.880 ng
RT: 15.029 min Scan# 1982
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

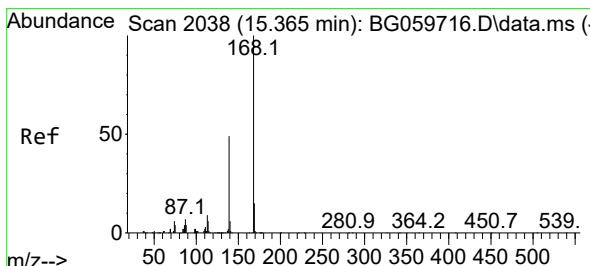
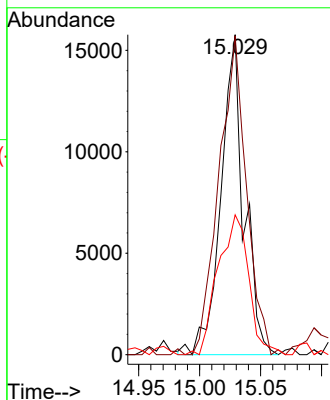
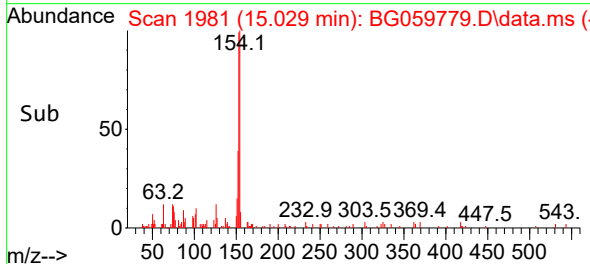
Instrument :
BNA_G
ClientSampleId :
204



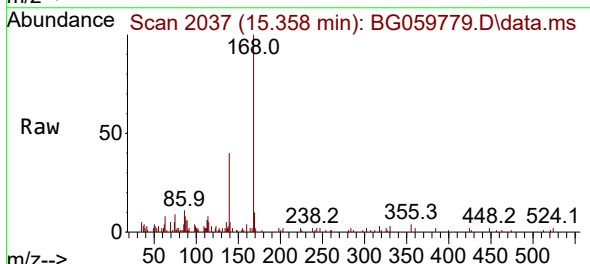
Tgt Ion:154 Resp: 20799
Ion Ratio Lower Upper
154 100
153 99.6 85.8 128.8
152 43.7 44.4 66.6

Manual Integrations
APPROVED

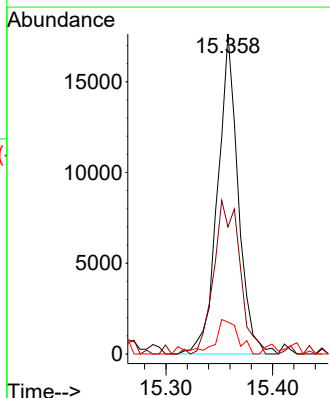
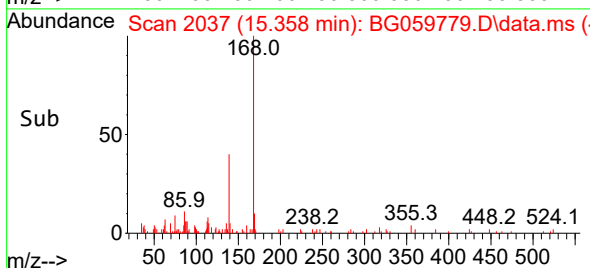
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

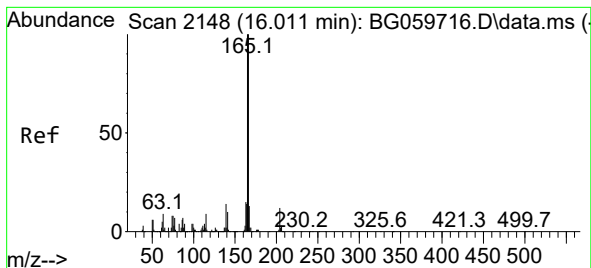


#55
Dibenzofuran
Concen: 2.668 ng
RT: 15.358 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50



Tgt Ion:168 Resp: 23578
Ion Ratio Lower Upper
168 100
139 39.7 38.9 58.3
169 10.0 11.8 17.8





#58

Fluorene

Concen: 4.286 ng

RT: 16.010 min Scan# 2148

Delta R.T. -0.000 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

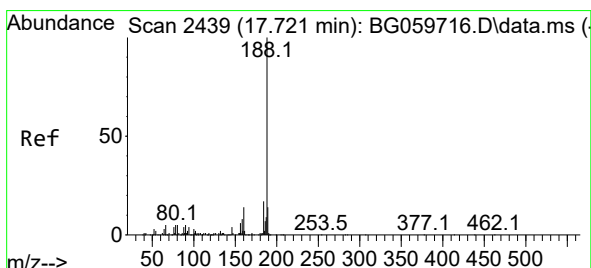
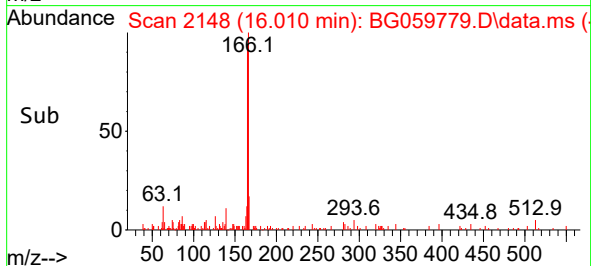
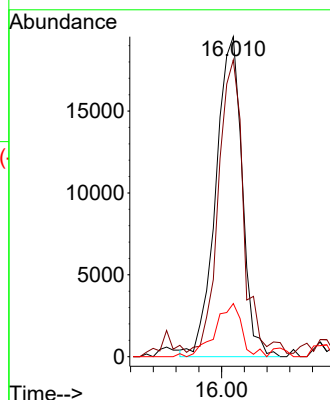
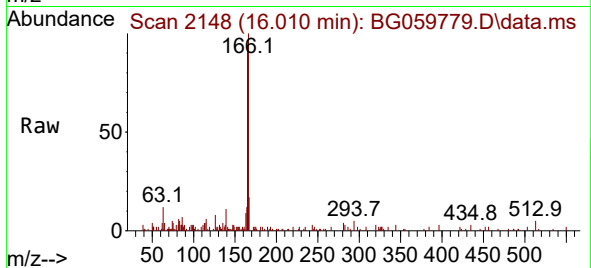
Tgt Ion:	166	Resp:	3146
Ion Ratio	Lower	Upper	
166	100		
165	92.8	79.9	119.9
167	16.6	10.1	15.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#64

Phenanthrene-d10

Concen: 20.000 ng

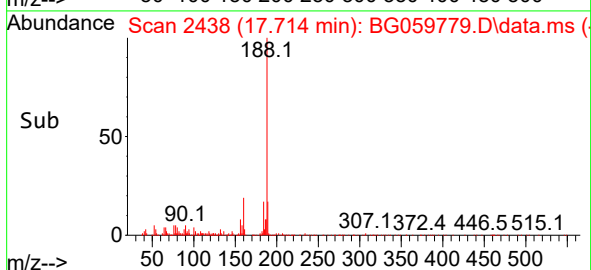
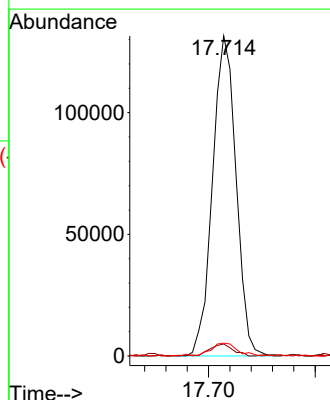
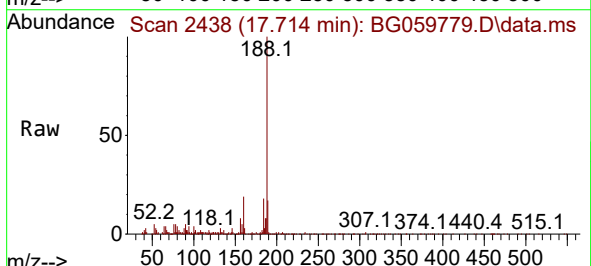
RT: 17.714 min Scan# 2438

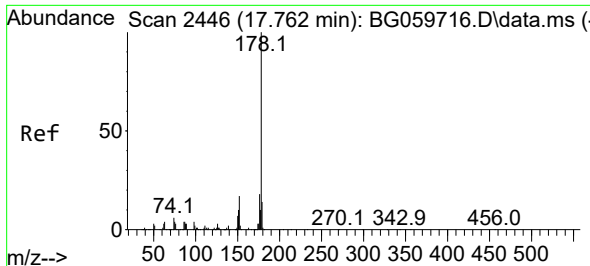
Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Tgt Ion:	188	Resp:	201844
Ion Ratio	Lower	Upper	
188	100		
94	4.4	3.0	4.4
80	4.7	4.2	6.4





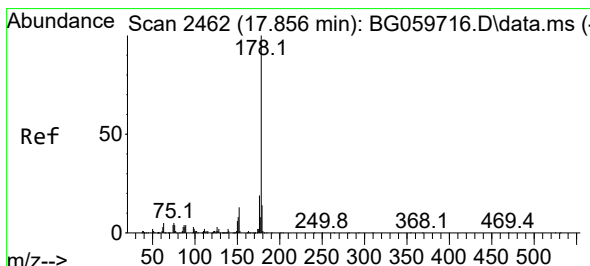
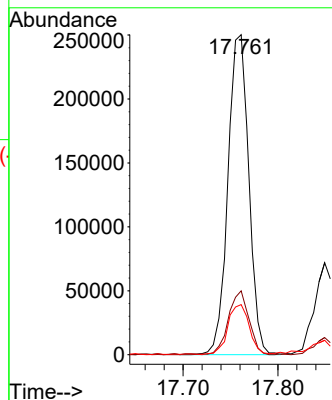
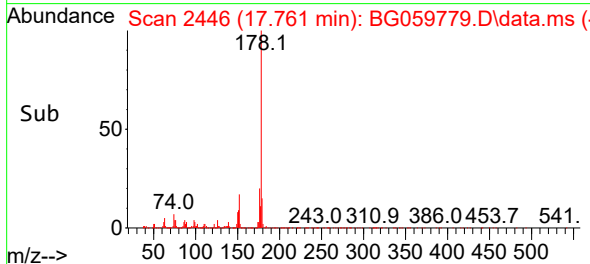
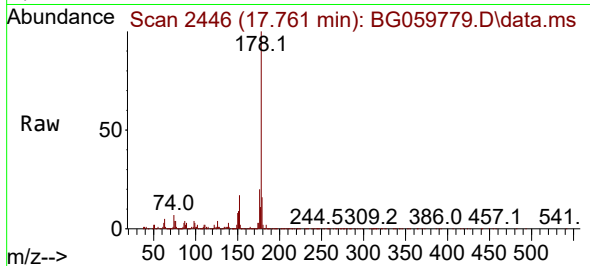
#71
Phenanthrene
Concen: 37.352 ng
RT: 17.761 min Scan# 2446
Delta R.T. -0.001 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Instrument :
BNA_G
ClientSampleId :
204

Tgt Ion:178 Resp: 383310
Ion Ratio Lower Upper
178 100
176 20.0 14.5 21.7
179 15.7 11.2 16.8

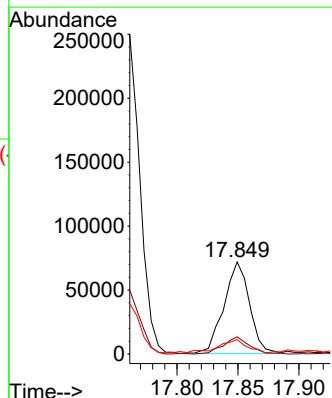
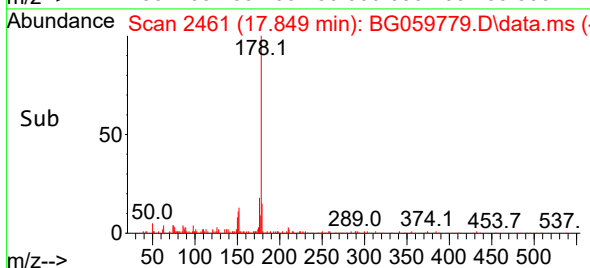
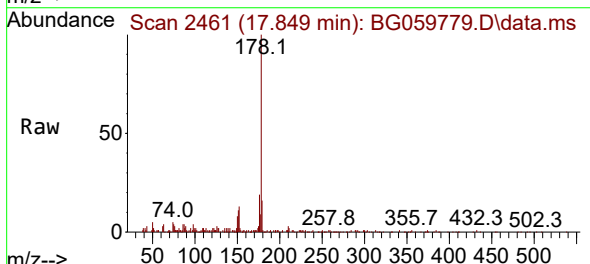
Manual Integrations
APPROVED

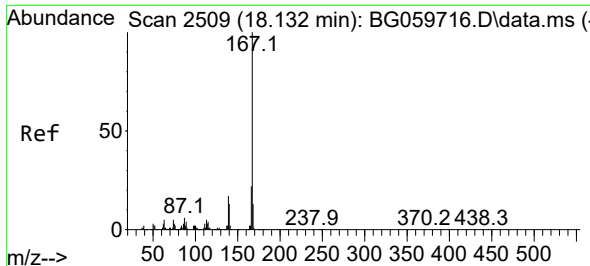
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#72
Anthracene
Concen: 9.833 ng
RT: 17.849 min Scan# 2461
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

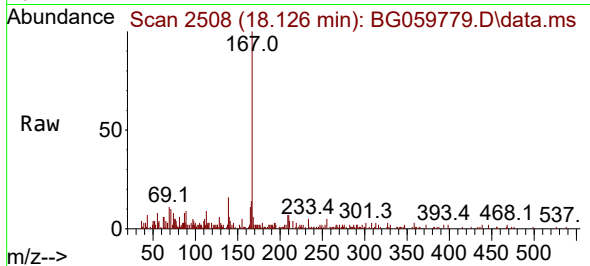
Tgt Ion:178 Resp: 104849
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.6 11.5 17.3





#73
 Carbazole
 Concen: 3.246 ng
 RT: 18.126 min Scan# 2509
 Delta R.T. -0.006 min
 Lab File: BG059779.D
 Acq: 20 Nov 2023 21:50

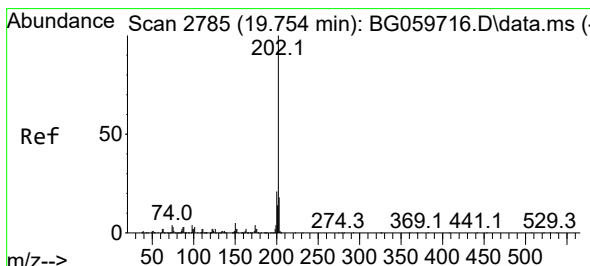
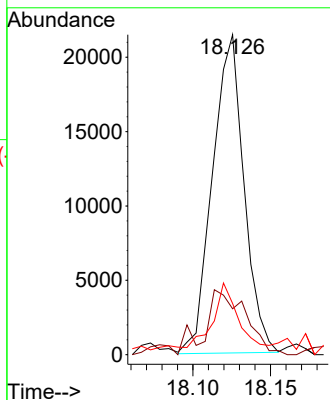
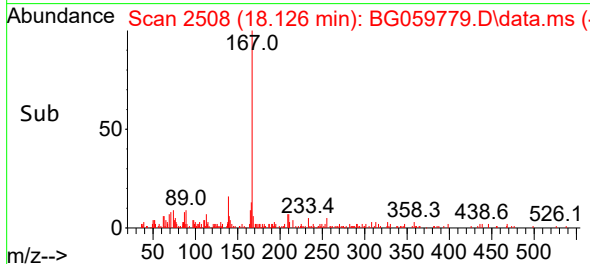
Instrument :
 BNA_G
 ClientSampleId :
 204



Tgt Ion:167 Resp: 30230
 Ion Ratio Lower Upper
 167 100
 166 14.3 17.4 26.0
 139 16.0 13.2 19.8

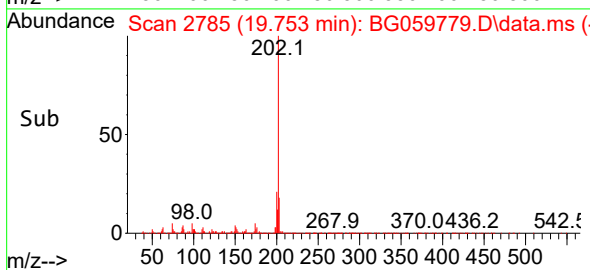
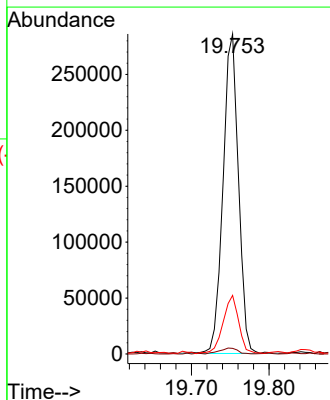
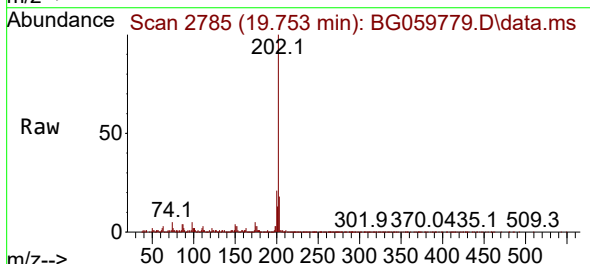
Manual Integrations
 APPROVED

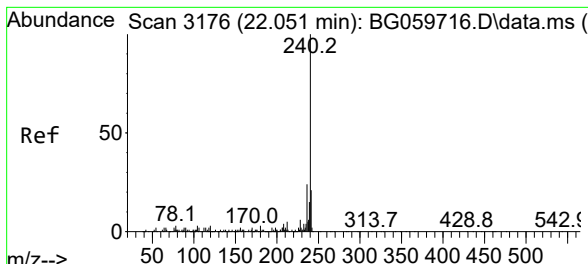
Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023



#75
 Fluoranthene
 Concen: 32.199 ng
 RT: 19.753 min Scan# 2785
 Delta R.T. -0.000 min
 Lab File: BG059779.D
 Acq: 20 Nov 2023 21:50

Tgt Ion:202 Resp: 396271
 Ion Ratio Lower Upper
 202 100
 101 1.8 0.0 22.7
 203 18.3 0.0 38.2





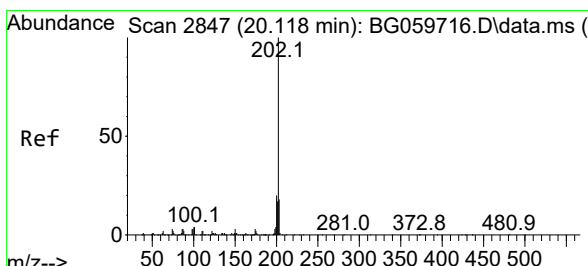
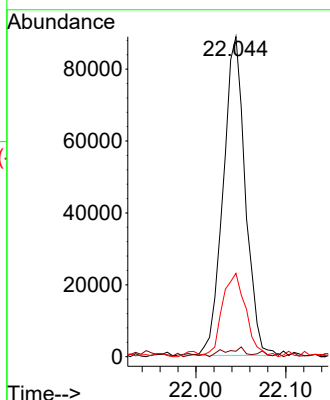
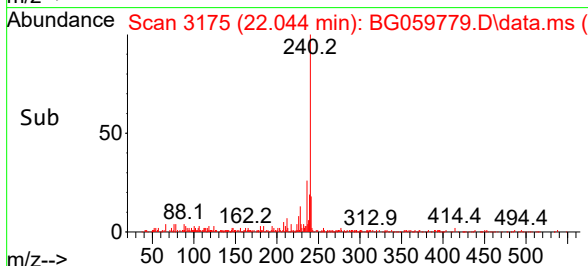
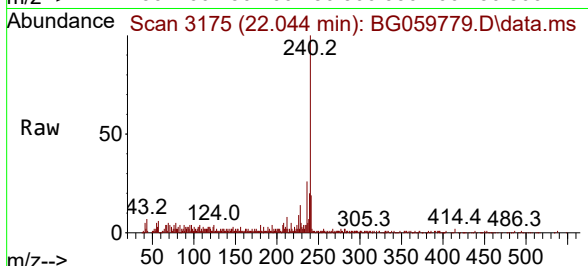
#76
Chrysene-d12
Concen: 20.000 ng
RT: 22.044 min Scan# 3175
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Instrument : BNA_G
ClientSampleId : 204

Tgt Ion:	240	Resp:	152039
Ion Ratio	Lower	Upper	
240	100		
120	1.7	2.2	3.2
236	26.1	19.4	29.2

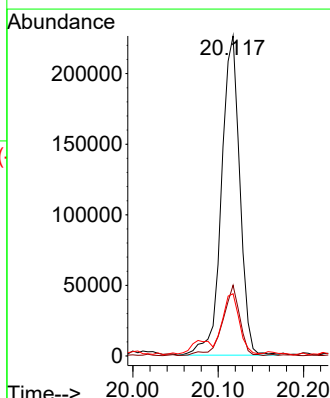
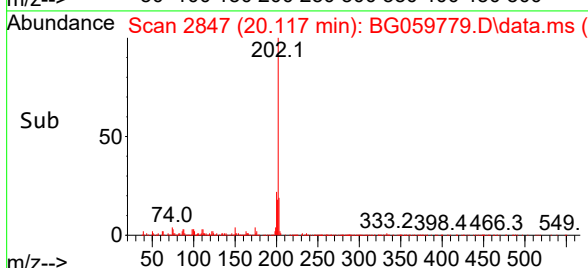
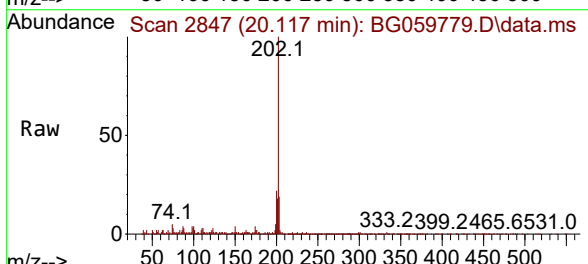
Manual Integrations
APPROVED

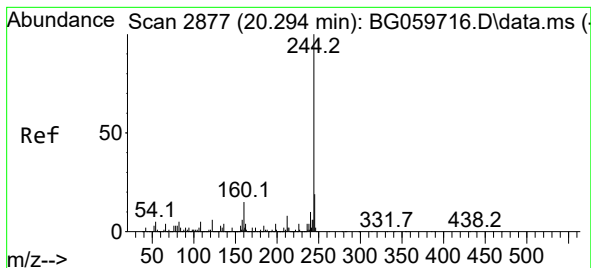
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#78
Pyrene
Concen: 32.724 ng
RT: 20.117 min Scan# 2847
Delta R.T. -0.000 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Tgt Ion:	202	Resp:	338513
Ion Ratio	Lower	Upper	
202	100		
200	22.1	16.2	24.4
203	19.5	14.0	21.0





#79

Terphenyl-d14

Concen: 31.299 ng

RT: 20.288 min Scan# 21

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

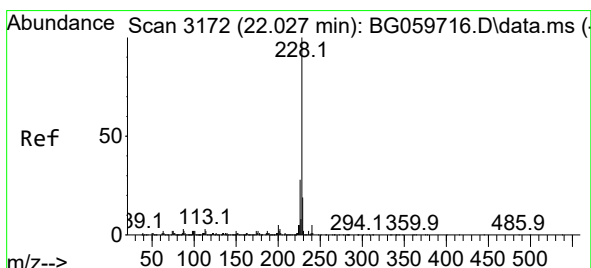
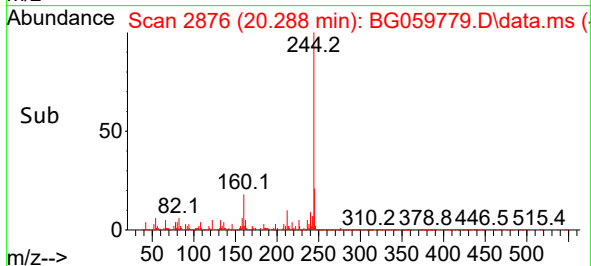
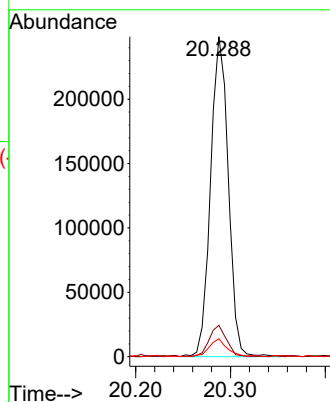
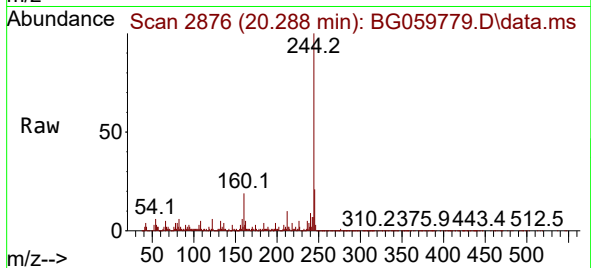
Tgt Ion:244 Resp: 322352
 Ion Ratio Lower Upper
 244 100
 212 9.8 6.6 10.0
 122 5.6 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#81

Benzo(a)anthracene

Concen: 15.515 ng

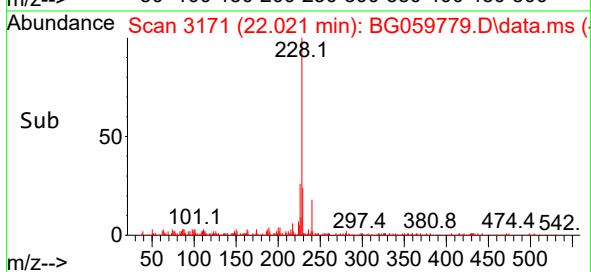
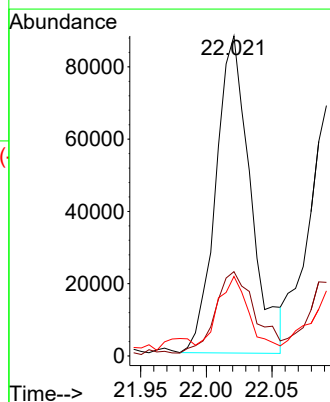
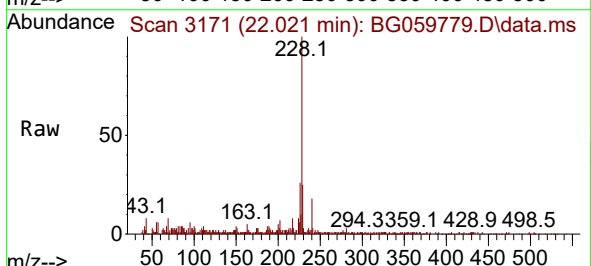
RT: 22.021 min Scan# 3171

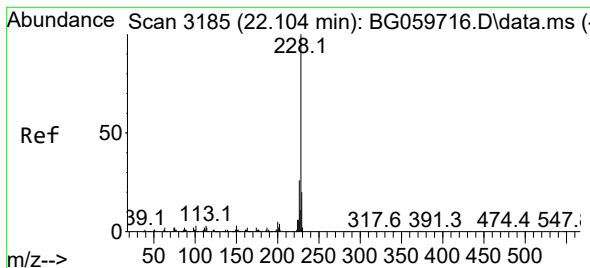
Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Tgt Ion:228 Resp: 161400
 Ion Ratio Lower Upper
 228 100
 226 26.3 22.1 33.1
 229 24.8 14.9 22.3#





#83

Chrysene

Concen: 14.201 ng

RT: 22.097 min Scan# 3184

Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Instrument :

BNA_G

ClientSampleId :

204

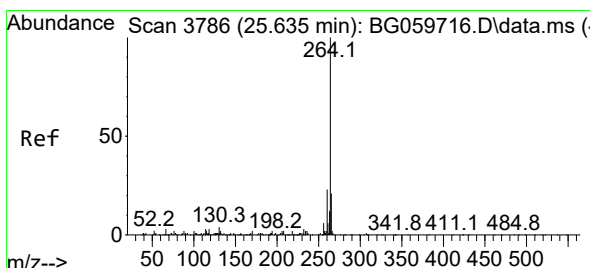
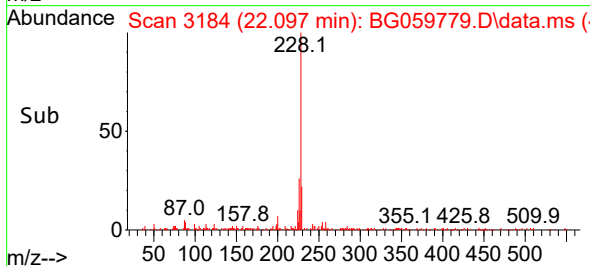
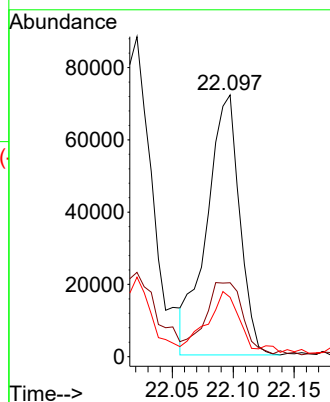
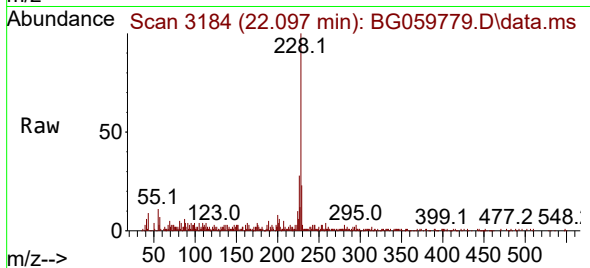
Tgt Ion:	228	Resp:	13542
Ion Ratio	Lower	Upper	
228	100		
226	28.3	21.1	31.7
229	22.7	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 11/21/2023

Supervised By :mohammad ahmed 11/21/2023



#86

Perylene-d12

Concen: 20.000 ng

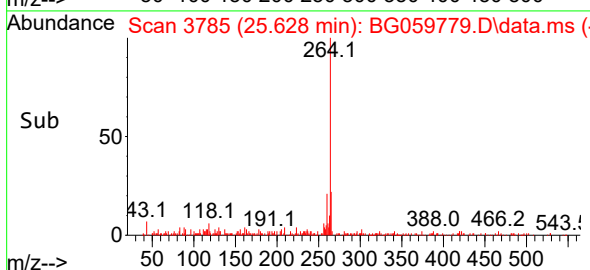
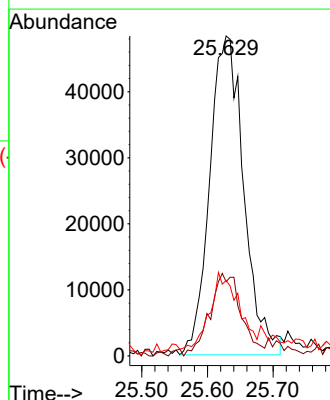
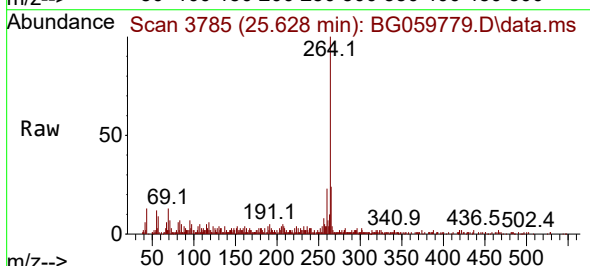
RT: 25.628 min Scan# 3785

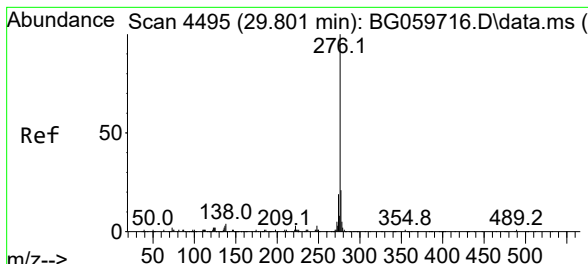
Delta R.T. -0.006 min

Lab File: BG059779.D

Acq: 20 Nov 2023 21:50

Tgt Ion:	264	Resp:	174098
Ion Ratio	Lower	Upper	
264	100		
260	23.2	18.5	27.7
265	23.6	17.0	25.6





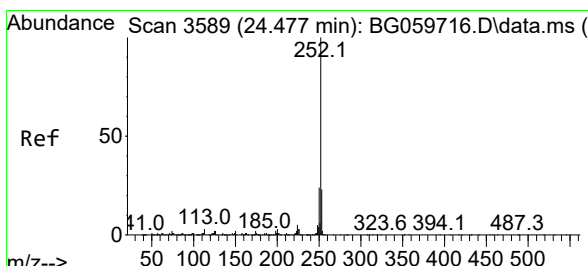
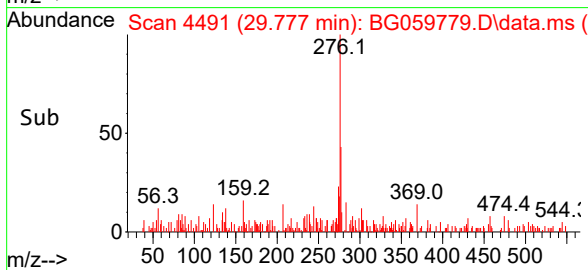
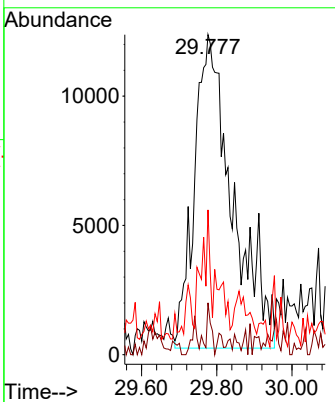
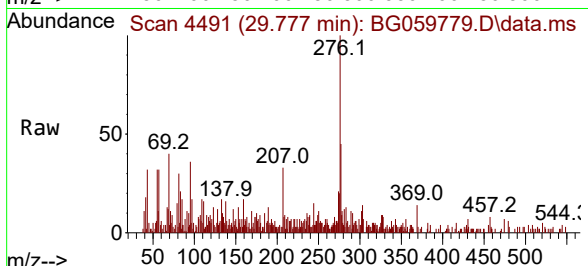
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.497 ng m
 RT: 29.777 min Scan# 4491
 Delta R.T. -0.024 min
 Lab File: BG059779.D
 Acq: 20 Nov 2023 21:50

Instrument : BNA_G
 ClientSampleId : 204

Tgt Ion:	276	Resp:	8558
Ion Ratio	Lower	Upper	
276	100		
138	1.8	1.8	2.6
277	9.0	9.8	14.6

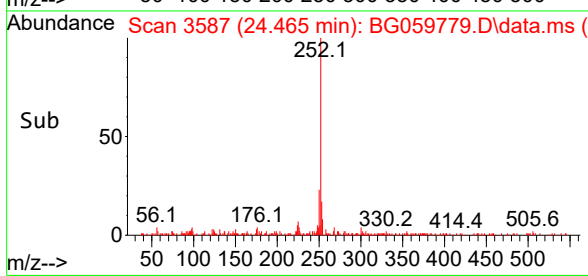
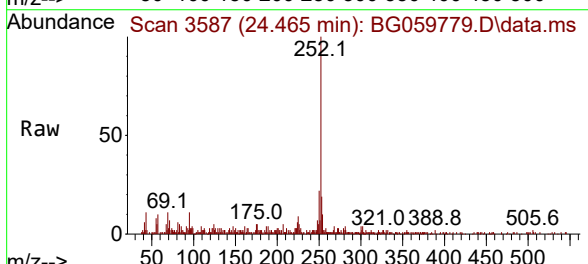
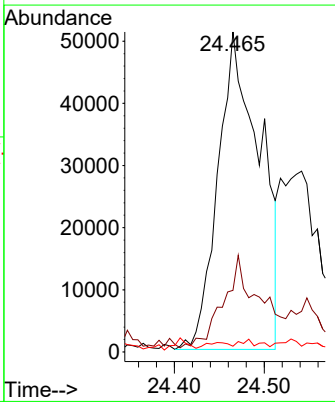
Manual Integrations
 APPROVED

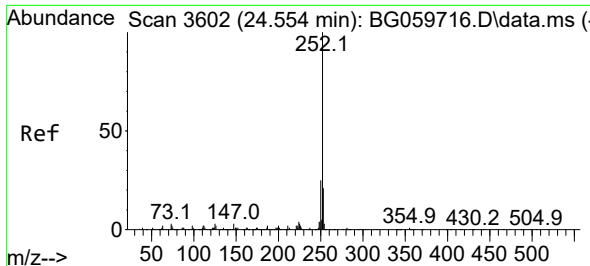
Reviewed By :Yogesh Patel 11/21/2023
 Supervised By :mohammad ahmed 11/21/2023



#88
 Benzo(b)fluoranthene
 Concen: 17.336 ng
 RT: 24.465 min Scan# 3587
 Delta R.T. -0.012 min
 Lab File: BG059779.D
 Acq: 20 Nov 2023 21:50

Tgt Ion:	252	Resp:	165419
Ion Ratio	Lower	Upper	
252	100		
253	19.3	18.3	27.5
125	1.8	1.4	2.0





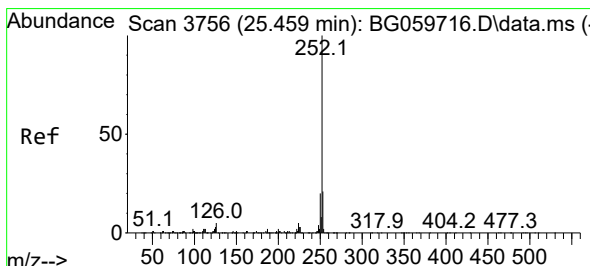
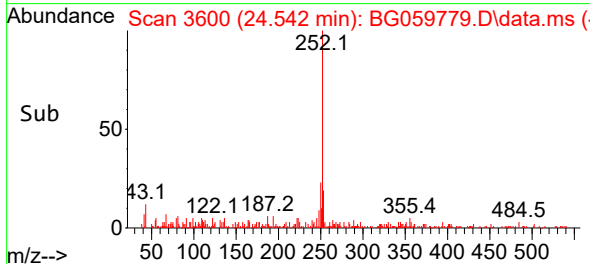
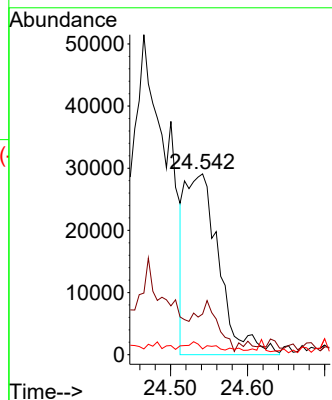
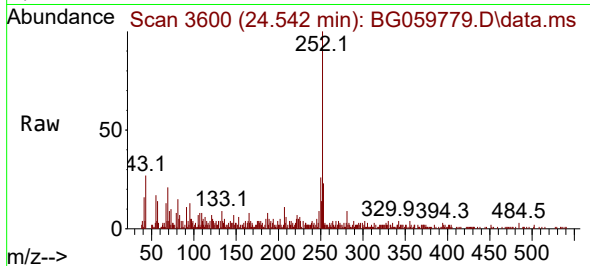
#89
Benzo(k)fluoranthene
Concen: 9.534 ng m
RT: 24.542 min Scan# 30
Delta R.T. -0.012 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Instrument :
BNA_G
ClientSampleId :
204

Tgt Ion:252 Resp: 89940
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 3.2 2.2 3.2

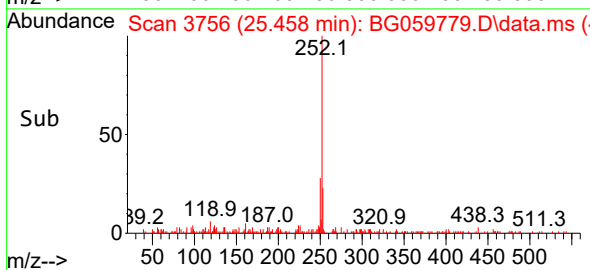
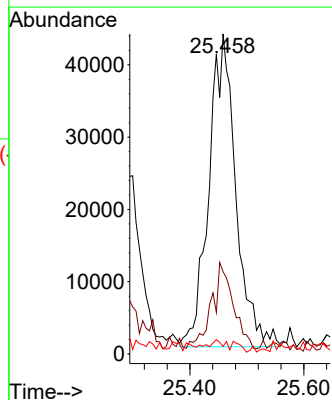
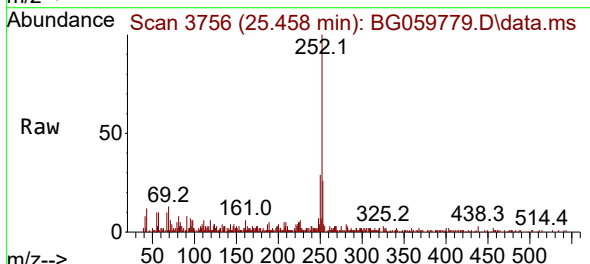
Manual Integrations
APPROVED

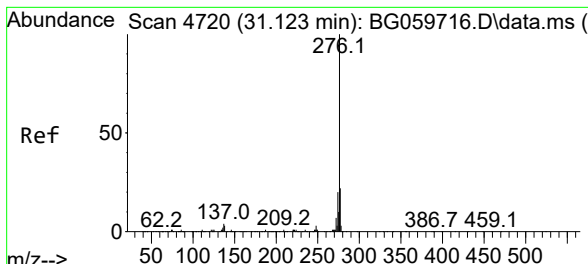
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023



#90
Benzo(a)pyrene
Concen: 14.051 ng m
RT: 25.458 min Scan# 3756
Delta R.T. -0.001 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

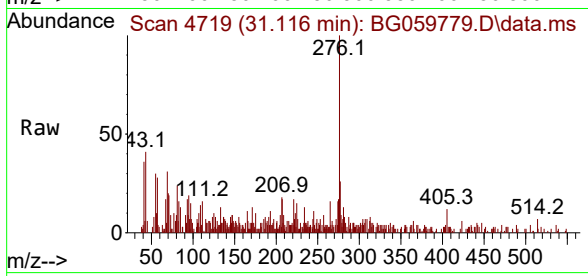
Tgt Ion:252 Resp: 143092
Ion Ratio Lower Upper
252 100
253 25.7 16.8 25.2#
125 2.4 2.0 3.0





#92
Benzo(g,h,i)perylene
Concen: 6.842 ng m
RT: 31.116 min Scan# 4719
Delta R.T. -0.006 min
Lab File: BG059779.D
Acq: 20 Nov 2023 21:50

Instrument :
BNA_G
ClientSampleId :
204



Tgt Ion: 276 Resp: 72360

Ion	Ratio	Lower	Upper
276	100		
277	26.3	17.3	25.9
138	7.2	2.6	4.0

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 11/21/2023
Supervised By :mohammad ahmed 11/21/2023

